AMENDMENTS TO THE SPECIFICATION

Please amend the paragraph that begins on page 4, line 3, as follows:

~~FIG. 4 IS A FLOWCHART OF A COMPUTER PROGRAM EXECUTED BY A BRAKE ECU.~~ FIG. 4 is a flowchart of a computer program executed by a brake ECU.

Please amend the paragraph that begins on page 7, line 17, as follows:

Hence, as shown in FIGS. 3A and 3B, the brake ECU 19 calculates an average ~~value θ0 at~~ value θ_0 at each predetermined time of the output signal from the resolver 18, and a minimum ~~value θ1~~ value θ_1 and a maximum ~~value θ2~~ value θ_2 within a predetermined time thereof when a drive current i of the electric motor is constant. Using a difference between the minimum and maximum ~~values (θ2 – θ1)~~ values $(\theta_2 - \theta_1)$, a rotation fluctuation amount $\Delta\theta$ is calculated.

Please amend the paragraph that begins on page 7, line 25, as follows:

In addition, an interval τ representing a time between the occurrence of the minimum ~~value θ1~~ value θ_1 and the maximum ~~value θ2~~ value θ_2 is calculated as a rotation fluctuation cycle.

Please amend the heading that begins on page 14, line 1, as follows:

ABSTRACT OF THE ~~INVENTION~~DISCLOSURE